

Weekly Bulletin

Research School of Physical Sciences & Engineering

Volume 33 Number 24
29 June – 5 July 2007

CONGRATULATIONS

Congratulations to Professor Jagadish, EME, on being awarded a Fellowship of the Institution of Engineering and Technology (UK).

Dr Andrew Stuchbery, Department of Nuclear Physics, has been elected as Vice Chair of Gordon Conference on Nuclear Chemistry (Nuclear Reactions) in 2008, to become Chair of the Gordon Conference on Nuclear Chemistry (Nuclear Structure) in 2009.

SPECIAL SCHOOL SEMINAR

Friday 6 July 2007

11.00am

“Controlling the Velocity of Light: Fundamentals and Applications”

by Robert W Boyd

The Institute of Optics University of Rochester
Rochester, NY 14627 USA

Leonard Huxley Lecture Theatre

Doughnuts will be provided in the RSPSE Link
Tea Room before the Seminar

ALL WELCOME

SCHOOL SEMINARS

ARCNN Seminar

Friday 29 June 2007

11.00am

“Sculpture and Novel Properties of Nanostructures and their Assemblies for Applications”

by Special Lecturer Professor G Ramanath

Department of Materials Science and Engineering
Nanotechnology Centre and Centre for Integrated
Electronics, Rensselaer Polytechnic Institute, Troy,
NY, USA

Leonard Huxley Lecture Theatre

ALL WELCOME

For further information see

<http://www.ausnano.net/index.php?page=events>

Seminar Coordinator: Ms Ilonka Krolikowska
arcnn@ausnano.net

Monday 2 July 2007

11.15am

“Dating of Australian arid landforms using cosmogenic nuclides”

by Dr Toshiyuki Fujioka,

Department of Nuclear Physics, RSPHysSE.

The Nuclear Physics Seminar Room

Plasma Seminar

Tuesday 3 July 2007

11.00 am

“Development of a Radio Frequency Plasma Capacitor for Wireless Communication Systems”

by Peter Linardakis, Plasma Research Laboratory
RSPHysSE

Link Building Seminar Room

ARC Centre of Excellence ACQAO Seminar

Wednesday 4 July, 2007

11.00am

“Quantum Hydrodynamics ~ the peculiar superflow of Bose-Einstein Condensates”

by Dr Peter Engels, Washington State University,
Pullman, USA

RSPHysSE, Link Building Seminar Room

Dept of Physics, Building 38

Thursday 5 July 2007

2.00pm

“Quantum Imaging: Enhanced Image Formation Using Quantum States of Light”

Professor Robert Boyd, Institute of Optics,
University of Rochester, New York

ACQAO Meeting Room

Mid Term Seminar

Thursday 5 July 2007

2.00pm

“High-K isomers in neutron-rich thulium isotopes”

by Richard Hughes, Department of Nuclear
Physics.

Nuclear Physics Seminar Room.

SCHOOL SEMINAR PROGRAM

Thursday 5 July 2007

4.00pm

“Nuclear Isomers: Long Lived Excited States in Atomic Nuclei, their Structure and their Applications”

by Dr Greg Lane

Dept of Nuclear Physics, RSPHysSE

Leonard Huxley Lecture Theatre

Drinks and light refreshments will be provided in the RSPSE Link Tea Room after the Seminar

ALL WELCOME

STAFF MOVEMENTS

Ms Bianca Haberl, EME PhD Student will be conducting experiments with collaborators at Argonne National Laboratory Illinois from 11-30 June.

David Llewellyn, EME, will attend and present a poster presentation at the 8th Multinational Congress on Microscopy, Prague from 17-21 June. He will then continue on to visit laboratories and present seminars/demonstrations of preparation techniques at the University of Rijeka in Croatia returning to EME on 7 July.

Dr Haroldo Hattori, EME, will present an invited talk at ICTON 2007 1-5 July in Rome. He will continue to conduct experiments with collaborators at Nano Photonics Lab at KAIST Korea.

Professor Jagadish will give an invited talk and Dr Leandro Araujo will present a poster at the International Conference on Materials for Advanced Technologies 2007 1-6 July in Singapore.

Professor Jagadish will then continue to give an invited talk at the 17th International Vacuum Congress and International Conference on Nano Science and Technology in Stockholm 4-7 July. He will then chair and give a talk in IEEE LEOS Workshop in Yokohma Tokyo from 9-10 July.

Dr Patrick Kluth, EME, PhD Student David Sprouster, Honours Student Emily Frain will be in Japan conducting experiments at the Synchrotron Facility from 25 June -1 July. Patrick and David will then continue to the Synchrotron Facility in Chicago, Illinois for further experiments until 10 July.

EME would like to welcome a new PhD student, Ms Danyu Liu from New Zealand, who will be working with Professor Jagadish and his group. Also a welcome to new ARC Postdoctoral Fellow Dr Wen Lei from Germany also joining Jagadish in research relating to the growth of InAsSb quantum dots for mid-IR application.

Dr Wen Xu, Theoretical Physics, will be overseas from 6 July - 18 September. He will attend and present papers at the 17th International Conference on Electronic Properties of Two-Dimensional Systems (EP2DS-17) and the 13th International Conference on Modulated Semiconductor Structures (MSS-13) to be held in Genova, Italy (15-20 July), the International Workshop on Attosecond Physics to be held in Dresden, Germany (1-5 August), and the 6th International Conference on Materials Processing, Properties and Performance (MP3-2007) to be held in Beijing, China (14-16 September). He will also visit and carry out joint research work at the University of Antwerp in Belgium and Chinese Academy of Sciences, Sichuan University, Fudan University, and Yunming University in China.

Professor David Hinde, Nuclear Physics, will be away from the Department from 3-9 July. Professor Hinde will be attending, as an invited speaker, the International Symposium on Physics of Unstable Nuclei (ISPUN07) held at Hoi An in Vietnam.

VISITORS

Professor Zoran Petrovic from the Institute of Physics, Belgrade, Dr Ron White and Mr Sasa Dujko from James Cook University, Townsville, are visiting the School until 2 July, for research collaboration with members of the Centre for Antimatter-Matter Studies. Professor Petrovic will give a Seminar on electron and positron transport phenomena in gases.

The Department of Theoretical Physics welcomes Michael Dudalev who will undertake his PhD studies in the mathematical physics group.

John McFarlane has joined us from the ANU College of Arts and Social Sciences. John will be working along side David Squires, School Electrician, for 2 days a week until the end of August. John is on secondment from Llewellyn Hall, which is under storm damage repair.

GRANTS & AWARDS

Human Frontier Science Program Organization

Program Number: 79560

Title: Cross-Disciplinary Fellowships

E-mail: fellow@hfsp.org

Web Site: http://www.hfsp.org/how/appl_forms_CDF.php

Program URL:

http://www.hfsp.org/how/PDFs/Fellowship_App_Guidelines_2008.pdf

The sponsor provides a fellowship intended for applicants with a Ph.D. degree in physics, chemistry, mathematics, engineering, material sciences or computer sciences who want to train in a biological research environment or work in a team of scientists that investigates a fundamental biological question.

Deadline(s): 16/08/2007

DEADLINE NOTE

The deadline for pre-registering on the HFSP web site in order to receive a password to access the online application documents is 16 August 2007.

The deadline for submitting applications for award year 2008 is 30 August 2007 at 16:00 Strasbourg time.

Link to full program description:

http://australia.infoed.org/spin/spin_prog.asp?79560